CLAIMS

1. A printer device control method responsive to a document's print content, the method comprising:

accepting a document for printer processing;

classifying print content in the document; and,

executing a program in response to the print content classification.

2. The method of claim 1 further comprising:

establishing a library of vocabulary terms; and,

wherein classifying print content in the document includes matching print content in the document to vocabulary terms in the library.

3. The method of claim 2 further comprising:

establishing a library of executable programs;

mapping between the library of vocabulary terms and the library of executable programs; and,

wherein executing a program in response to the print content classification includes selecting an executable file in response to mapping between matched vocabulary terms and executable programs.

4. The method of claim 3 wherein establishing a library of vocabulary terms includes establishing a library of vocabulary terms selected from the group including key words, symbols, word patterns, and data patterns.

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5. The method of claim 4 wherein accepting a document for printer processing includes:

generating a printer driver output file;

5 interpreting the printer driver output file into a rasterized image; and,

wherein matching print content in the document to vocabulary terms in the library includes:

parsing the rasterized image into tokens;

10 identifying tokens that represent data to be printed;

buffering the data to be printed; and,

examining the buffered data for vocabulary terms.

6. The method of claim 5 wherein generating a printer

15 driver output file includes generating a page description language file selected from the group including printer control language (PCL) and PostScript.

7. The method of claim 3 wherein establishing a library

20 of executable programs includes establishing a library of executable programs selected from the group including sending reports of the document to a recipient, blocking the document print process, logging the document print process, updating a database, archiving the document, executing a program to initiate additional document processing, and

25 executing a plurality of programs to initiate additional document processing.

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8.   The method of claim 1 further comprising:

accepting a bitmap document;

performing optical character recognition (OCR) of the bitmap

document;

generating text strings; and,

wherein accepting a document for printer processing includes

accepting the generated text strings.

9.   The method of claim 1 further comprising:

processing the document using a process selected from the

group including scanning, faxing, archiving, transmitting, and paper copy

reproduction.

10.   A printer device control method responsive to a

document's print content, the method comprising:

establishing a library of vocabulary terms;

establishing a library of executable programs;

mapping between the library of vocabulary terms and the

library of executable programs;

accepting a document for printer processing;

classifying print content in the document; and,

selecting an executable file in response to mapping between

matched vocabulary terms and executable programs.

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11.   A printer device control system responsive to the document's print content, the system comprising:

an interpreter having an input to accept a print driver output file and an output to supply an interpreted document for printer

5   processing; and,

a classifier having an interface to accept the interpreted document, the classifier classifying print content in the interpreted document and selecting a program for execution in response to the print content classification.

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12.   The system of claim 11 further comprising:

a library of vocabulary terms with an interface connected to the classifier interface; and,

wherein the classifier accesses the library of vocabulary

15   terms to match print content in the interpreted document to vocabulary terms in the library.

13.   The system of claim 12 further comprising:

a library of executable programs with an interface connected

20   to the classifier interface;

a mapping library cross-referencing vocabulary terms with executable files, having an interface connected to the classifier interface; and,

wherein the classifier accesses the mapping library to select

25   an executable file from the library of executable programs, in response to

matching print content to a vocabulary term from the library of vocabulary terms.

14.   The system of claim 13 wherein the library of vocabulary terms includes terms selected from the group including key words, symbols, word patterns, and data patterns.

15.   The system of claim 14 further comprising a buffer with an interface connected to the classifier interface;

        wherein the interpreter interprets the printer driver output file into a rasterized image; and,

        wherein the classifier parses the rasterized image into tokens, identifying tokens that represents data to be printed, stores the data to be printed in the buffer, and examines the buffered data for vocabulary terms.

16.   The system of claim 15 further comprising:

a print driver having an input to accept a document and an output to supply the print driver output file.

17.   The system of claim 16 wherein the print driver supplies an output file generated in a page description language selected from the group including printer control language (PCL) and PostScript.

18.   The system of claim 13 wherein the library of executable programs includes programs selected from the group including

sending reports of the document to a recipient, blocking the document print process, logging the document print process, updating a database, archiving the document, executing a program to initiate additional document processing, and executing a plurality of programs to initiate additional document processing.

19. The system of claim 11 further comprising:

an optical character recognition (OCR) unit having an input to accept a bitmap document and an output to supply text strings generated from performing an OCR operation on the bitmap document; and,

wherein the print driver accepts the generated text strings for print processing.

20. The system of claim 11 further comprising:

a print processor having an input to accept the print driver output and an output to supply a document processed using a process selected from the group including scanning, faxing, archiving, transmitting, and paper copy reproduction.

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